

Amendment to the claims

1. (currently amended): A fuel composition useful for a spark or a compression ignition internal combustion engine, comprising:

a hydrocarbon fuel;

a combination of nitrogen-containing detergents comprising a hydrocarbyl-substituted polyamine and a Mannich reaction product of an alkyl-substituted hydroxyaromatic compound, an aldehyde, and a polyamine having at least one reactive N-H group; and

optionally a fluidizer comprising a polyether, a polyetheramine, or mixtures thereof; wherein the weight ratio of the hydrocarbyl-substituted polyamine to the Mannich reaction product is about 0.50-2:1 to 1:0.50-2; each of the nitrogen-containing detergents is present at about 20-100 ppm by weight; the combination of nitrogen-containing detergents is present at or greater than about 60 ppm by weight; and the weight ratio of the fluidizer to the combination of nitrogen-containing detergents is less than 0.2.

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2. (currently canceled)

3. (original): The fuel composition of claim 1 wherein each of the nitrogen-containing detergents is present at about 22-80 ppm by weight.

4. (previously canceled)

5. (currently canceled)

6. (original): The fuel composition of claim 1 wherein the hydrocarbyl substituent of the hydrocarbyl-substituted polyamine is derived from a polyolefin having a number average molecular weight of about 900-1500.

7. (original): The fuel composition of claim 6 wherein the polyolefin is a polyisobutylene.

8. (original): The composition of claim 6 wherein the hydrocarbyl-substituted polyamine is derived from the group consisting of ethylenediamine, diethylenetriamine, N,N-dimethyl-1,3-propanediamine, 2-(2-aminoethylamino)ethanol, and mixtures thereof.
9. (original): The fuel composition of claim 1 wherein the hydroxyaromatic portion of said alkyl-substituted hydroxyaromatic compound comprises phenol, ortho-cresol, or mixtures thereof.
10. (original): The fuel composition of claim 9 wherein the alkyl substituent of the alkyl-substituted hydroxyaromatic compound is derived from a polyolefin having a number average molecular weight of about 400-1500.
11. (original): The fuel composition of claim 10 wherein the polyolefin is a polyisobutylene having at least 70% of the olefinic double bonds as vinylidene double bonds.
12. (previously amended): The fuel composition of claim 11 wherein the aldehyde of the Mannich reaction product is formaldehyde; and the polyamine of the Mannich reaction product is derived from the group consisting of ethylenediamine, propylenediamine, diethylenetriamine, N,N'-dimethylethylenediamine, N,N,N'-trimethylethylenediamine, N,N-dimethylethylenediamine, N,N-dimethylpropylenediamine, N,N'-dimethylpropylenediamine, 2-(2-aminoethylamino)ethanol, and mixtures thereof.
13. (original): The fuel composition of claim 1 wherein the hydrocarbon fuel is a gasoline or a diesel fuel; and wherein the gasoline or diesel fuel optionally contains an oxygenate comprising methanol, ethanol, methyl tert-butyl ether, ethyl tert-butyl ether, methyl tert-amyl ether, or mixtures thereof.
14. (original): A method of operating an internal combustion engine, comprising fueling the engine with the fuel composition of claim 13.

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B¹ 15. (original): A method of controlling deposits in an internal combustion engine, comprising fueling the engine with the fuel composition of claim 13.
